| FORM PTO-1449  |                              |                                     |                      | Docket Number (Optional)       | Application Number |                  |             |                   |  |  |
|--|------------------------------|-------------------------------------|----------------------|--------------------------------|--------------------|------------------|-------------|-------------------|--|--|
| INFORMATION DISCLOSURE OTATION IN AN APPLICATION (Use several sheets if necessary) |                              |                                     |                      | 637.0015USX 10/060,909         |                    |                  |             |                   |  |  |
|  |                              |                                     |                      | Applicant                      |                    |                  |             |                   |  |  |
|  |                              |                                     |                      | Antoni et al.                  |                    |                  |             |                   |  |  |
|  |                              |                                     |                      | Filing Date                    | Group Art Unit     |                  |             |                   |  |  |
|  |                              |                                     |                      | January 30, 2002               | <u> </u>           | Not Yet Assigned |             |                   |  |  |
|  |                              | /SEM!                               | TEN                  | T DOCUMENTS                    |                    | -                |             |                   |  |  |
| EXAMINER<br>INITIAL  | DOCUMENT<br>NUMBER           | DATE                                |                      | NAME                           | CLAS               | S SUBCLASS       |             | DATE IF<br>PRIATE |  |  |
| nns -  | 4294538                      | 10/13/81                            | Ban                  |                                | 355                | 51               |             |                   |  |  |
| ND   | 5669708                      | 9/23/97                             | Mashima et           | al.                            | 362                | 341              |             |                   |  |  |
| 15.75  |                              |                                     |                      |                                |                    |                  |             |                   |  |  |
| <del></del>  |                              |                                     |                      |                                |                    |                  |             |                   |  |  |
|  | <u> </u>                     |                                     |                      |                                |                    |                  |             |                   |  |  |
|  |                              | ļ                                   |                      |                                |                    |                  |             |                   |  |  |
|  |                              |                                     |                      |                                |                    |                  |             |                   |  |  |
|  |                              |                                     |                      |                                |                    |                  |             |                   |  |  |
|  |                              |                                     |                      |                                |                    |                  |             |                   |  |  |
| <u> </u>   |                              |                                     |                      | ·                              |                    |                  |             |                   |  |  |
|  | <del>  .</del>               | <del> </del>                        |                      |                                |                    |                  |             |                   |  |  |
|  |                              |                                     | · · · · · ·          |                                |                    |                  |             |                   |  |  |
|  |                              |                                     |                      |                                |                    |                  |             |                   |  |  |
|  |                              | FOF                                 | REIGN PATE           | ENT DOCUMENTS                  | -                  |                  |             |                   |  |  |
|  |                              |                                     |                      |                                |                    |                  | Translation |                   |  |  |
|  | DOCUMENT<br>NUMBER           | DATE                                | (                    | COUNTRY                        | CLASS              | SUBCLASS         | YES         | NO                |  |  |
| M  | DE19903807A1                 | 11/11/99                            | Germany              |                                |                    |                  |             | No                |  |  |
| nns  | WO99/57732                   | 11/11/99                            | PCT                  |                                | ·                  |                  |             | No                |  |  |
|  |                              |                                     |                      |                                |                    |                  |             | 110               |  |  |
| <del></del>  |                              |                                     |                      |                                |                    |                  |             |                   |  |  |
|  |                              |                                     |                      |                                |                    |                  |             |                   |  |  |
|  |                              |                                     |                      |                                |                    |                  |             |                   |  |  |
|  | OTHER                        | R DOCUM                             | MENTS (includ        | ing Author, Title, Date, Perti | nent Pages         | s, Etc.)         |             |                   |  |  |
|  | Illumination Option          | es Design                           | for EUV Lith         | ography, Antoni et a           | <del>1</del>       |                  |             |                   |  |  |
|  | _                            |                                     |                      |                                |                    |                  |             |                   |  |  |
|  |                              |                                     |                      |                                |                    |                  |             | <del></del>       |  |  |
| <u> </u>   |                              | · · · · · · · · · · · · · · · · · · |                      |                                |                    |                  |             |                   |  |  |
| EXAMINER   | Roch                         |                                     |                      | DATE CONSIDERED                |                    |                  |             |                   |  |  |
|  | ドカト                          |                                     |                      | 2  23                          | 13                 |                  |             |                   |  |  |
| EXAMINER: Initia   | al if citation considered, w | hether or not                       | citation is in confe | ormance with MPEP §609; D      | raw line th        | rough            |             |                   |  |  |
| Citation if not in c   | onformance and not cons      | idered Inclu                        | de conv of this for  | m with next communication t    | n the anni         | icant            |             |                   |  |  |

| Sheet _ 1 of _ 1 |  |
|------------------|--|
|------------------|--|

| FORM PTO-1449                                  |                            |               |                     | Docket Number (Optional) Application Number                   |                        |                 |              | <u>-</u>     |  |  |
|--|----------------------------|---------------|---------------------|---|------------------------|-----------------|--------------|--------------|--|--|
|  |                            |               |                     | 637.0015USX 10/060,909  |                        |                 |              |              |  |  |
| MFORMATION DISCLOSURE CITATION                 |                            |               |                     | Applicant   |                        |                 |              |              |  |  |
| <i>/</i>                                       | ്റ്റ്N AN APPLICA          | NOITA         |                     | Antoni et al  |                        |                 |              |              |  |  |
| APR 1 7 2002 (Use several sheets if necessary) |                            |               |                     | Filing Date Group Art Unit  January 30, 2002 Not Yet Assigned |                        |                 | ·            |              |  |  |
|  |                            |               |                     |   |                        |                 | gned         |              |  |  |
| TA TRADEN                                      | MET                        | U             | S. PATEN            | T DOCUMEI   |                        |                 |              |              |  |  |
| EXAMINER<br>INITIAL                            | DOCUMENT<br>NUMBER         | DATE          |                     | NAME  | CLAS                   | S SUBCLASS      | 1            | DATE IF      |  |  |
| לחק  | 4572659                    | 2/25/86       | Omata               |   | 355                    | 67              |              |              |  |  |
| nns  | 5581605                    | 12/3/96       | Murakami e          | t al.   | 378                    | 84              |              |              |  |  |
| ns   | 5677939                    | 10/14/97      | Oshino              |   | 378                    | 34              |              |              |  |  |
|  |                            |               |                     | -   |                        |                 | -            |              |  |  |
|  |                            |               |                     |   |                        |                 |              | ·            |  |  |
|  |                            |               |                     |   |                        |                 |              |              |  |  |
|  |                            |               |                     |   |                        |                 |              |              |  |  |
|  |                            |               |                     |   |                        |                 |              |              |  |  |
|  |                            |               |                     |   |                        |                 |              |              |  |  |
|  |                            |               |                     |   |                        |                 | <del></del>  |              |  |  |
|  | _                          |               | <del>_</del>        |   | <del></del>            |                 |              |              |  |  |
|  |                            | EOP.          | EICN DATE           | NT DOCUM  | FNTO                   |                 |              |              |  |  |
|  |                            | FUR           | EIGNPATE            | NT DOCUM  | ENIS                   |                 |              |              |  |  |
|  | DOCUMENT                   | DATE          | С                   | COUNTRY   |                        | CLASS SUBCLASS  | Trans<br>YES | lation<br>NO |  |  |
|  | NUMBER                     |               | <del></del>         |   |                        |                 |              | 100          |  |  |
|  |                            |               |                     |   |                        |                 |              |              |  |  |
|  |                            |               |                     |   |                        |                 |              |              |  |  |
|  |                            |               |                     |   |                        |                 |              |              |  |  |
|  |                            |               |                     |   |                        |                 |              |              |  |  |
|  |                            |               | <del></del>         |   |                        |                 |              |              |  |  |
| L  | OTHER                      | DOCUM         | IENTS (includia     | ng Author Title De  | ate, Pertinent Pages   | Eta\            |              |              |  |  |
|  | 311121                     |               | (moduli             | .g / totalor, Title, Da                                       | no, r citinent rages   | , EIG. <i>)</i> | <del></del>  |              |  |  |
|  | ·                          |               |                     |   | <u></u>                |                 |              |              |  |  |
| }  |                            |               |                     |   |                        |                 |              |              |  |  |
| EXAMINER                                       |                            |               |                     | DATE CONSIDER   | ED.                    | -               |              |              |  |  |
|  | no self                    |               |                     | i   | 1                      |                 |              |              |  |  |
|  |                            |               |                     |   | 3/03                   |                 |              |              |  |  |
|  | if citation considered, wh |               |                     |   | •                      |                 |              |              |  |  |
| Citation if not in co                          | nformance and not consid   | dered. Includ | e copy of this form | with next commu   | nication to the applic | cant.           |              | ]            |  |  |

بالأرابي

| Sheet | 1 | of | 1 |
|-------|---|----|---|
|       |   |    |   |

|                           |                                   |                | ري             |                     |  |              | Sileeti_                      |             |    |  |
|---------------------------|-----------------------------------|----------------|----------------|---------------------|--|--------------|-------------------------------|-------------|----|--|
| FORM PTO-1449             |                                   | AUG O          | AUG 0 6 2002 2 |                     | Docket Number (Optional) Application I |              |                               | Number      |    |  |
| •                         |                                   |                |                | 637.0015USX         |  | 10/060,909   |                               |             |    |  |
| INFORMATION DESLOSURE CON |                                   |                | TION Applicant |                     |  |              |                               |             |    |  |
|                           | IN AN A                           | APPLICA        | AUCIA          |                     | Antoni, et al.                         |              |                               |             |    |  |
|                           |                                   |                |                |                     | Filing Date                            |              | Group Art Unit                |             |    |  |
|                           | (Use several sheets if necessary) |                |                |                     | January 30,2002                        |              | Not Yet Assig                 | ned         |    |  |
|                           |                                   |                | U              | . S. PATEN          | T DOCUMENTS                            |              |                               |             |    |  |
| EXAMINER<br>INITIAL       | DOCUMENT DATE NUMBER              |                |                | NAME CLASS          |  | SUBCLASS     | FILING DATE IF<br>APPROPRIATE |             |    |  |
|                           | <del>4,294,</del>                 | 538            | 10/13/81       | Mikichi Bar         |  | 355          | 51                            |             |    |  |
|                           | 5,222;                            | 112            | 6/22/93        | Terasawa, e         | al.                                    | 378          | -34                           |             |    |  |
|                           | <del>5,669</del> ,                | <del>708</del> | 9/23/97        | Mashima, et         | al.                                    | 362          | 341                           |             |    |  |
|                           | 5,993;                            | 010            | 11/30/99       | Ohzawa, et          | al.                                    | 353          | <del>99</del>                 |             |    |  |
| -                         | 5,995,                            | <del>582</del> | 11/30/99       | Terashima,          | er al.                                 | 378          | 34                            |             | _  |  |
|                           |                                   |                |                |                     |  |              |                               |             |    |  |
|                           |                                   |                |                |                     |  |              |                               |             | •  |  |
|                           |                                   |                |                |                     |  |              |                               |             |    |  |
|                           |                                   |                |                |                     |  |              |                               |             |    |  |
|                           |                                   |                |                |                     |  |              |                               |             |    |  |
|                           |                                   |                |                |                     |  |              |                               |             |    |  |
|                           |                                   |                | FOR            | REIGN PATE          | NT DOCUMENTS                           |              |                               |             |    |  |
|                           |                                   |                |                |                     |  |              |                               | Translation |    |  |
|                           | DOCUM<br>NUMB                     |                | DATE           |                     | COUNTRY                                | CLASS        | SUBCLASS                      | YES         | NO |  |
|                           | -006629                           | <del>5B1</del> | 2/5/86         | Europe              |  |              |                               | X           |    |  |
|                           | 093934                            | 1A2            | 9/1/99         | Europe              |  |              |                               | X           |    |  |
|                           | 098597                            |                |                |                     |  |              | X                             |             |    |  |
|                           | 102654                            | 7A2            | 8/9/00         | Europe              |  |              |                               | X           |    |  |
|                           |                                   |                |                |                     |  |              |                               |             |    |  |
|                           |                                   |                |                |                     |  |              |                               |             |    |  |
|                           |                                   | OTHER          | R DOCUM        | MENTS (include      | ing Author, Title, Date, Perti         | nent Page    | s. Etc.)                      |             |    |  |
|                           |                                   | · · · · · · ·  |                | (modu               |  |              | -, =:::/                      |             |    |  |
|                           |                                   |                |                |                     | <u></u>                                |              |                               |             |    |  |
|                           |                                   |                |                |                     |  | <del></del>  |                               |             |    |  |
|                           |                                   |                |                |                     |  | <del>-</del> | ~~~                           |             | =, |  |
|                           |                                   |                |                |                     |  |              |                               | _           |    |  |
|                           |                                   |                |                |                     |  |              |                               |             |    |  |
| EVALUE E                  |                                   |                |                |                     |  |              |                               |             |    |  |
| EXAMINER                  | 0 -                               | r 1            | 1              |                     | DATE CONSIDERED                        | _            |                               |             |    |  |
|                           | R.Q.                              | John           |                |                     | 2/23/0                                 | 3            |                               |             |    |  |
| EXAMINER: Initia          | al if citation cor                | nsidered, 🌡    | hether or not  | citation is in conf | ormance with MPEP §609; D              | raw line th  | rough                         | _           |    |  |
| citation if not in co     | onformance and                    | d not consi    | dered. Inclu   | de copy of this for | m with next communication t            | o the appli  | cant.                         |             |    |  |